

RESOLUTION NO. 94-41
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A RESOLUTION OF THE LODI CITY COUNCIL
AMENDING TRAFFIC RESOLUTION NO. 87-163 TO APPROVE THE SPEED ZONE
SURVEY ON CENTURY BOULEVARD BETWEEN CHEROKEE LANE AND STOCKTON
STREET, AND REDUCING THE SPEED LIMIT BETWEEN CHEROKEE LANE
AND STOCKTON STREET FROM 55 MPH TO 40 MPH

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BE IT RESOLVED, that the Lodi City Council does hereby approve
the Speed Zone Survey on Century Boulevard between Cherokee Lane and
Stockton Street, attached hereto as Exhibit A; and

RESOLVED, by the Lodi City Council that City of Lodi Traffic
Resolution No. 87-163, Section 7 - Speed Limits - is hereby amended to
reduce the existing speed limit between Cherokee Lane and Stockton
Street from 55 mph to 40 mph, as indicated in the Speed Zone Survey.

Dated: April 20, 1994

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I hereby certify that Resolution No. 94-41 was passed and adopted
by the City Council of the City of Lodi in a regular meeting held
April 20, 1994 by the following vote:

Ayes: Council Members - Davenport, Pennino and
Sieglock (Mayor)

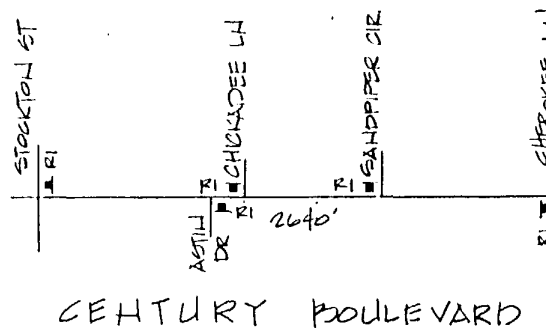
Noes: Council Members - Mann

Absent: Council Members - Snider


Jennifer M. Perrin
City Clerk

ENGINEERING AND TRAFFIC SURVEY

SEE NARRATIVE FOR
BACKGROUND INFORMATION



CENTURY BOULEVARD

1/2 Mi.

SPEED TABLE

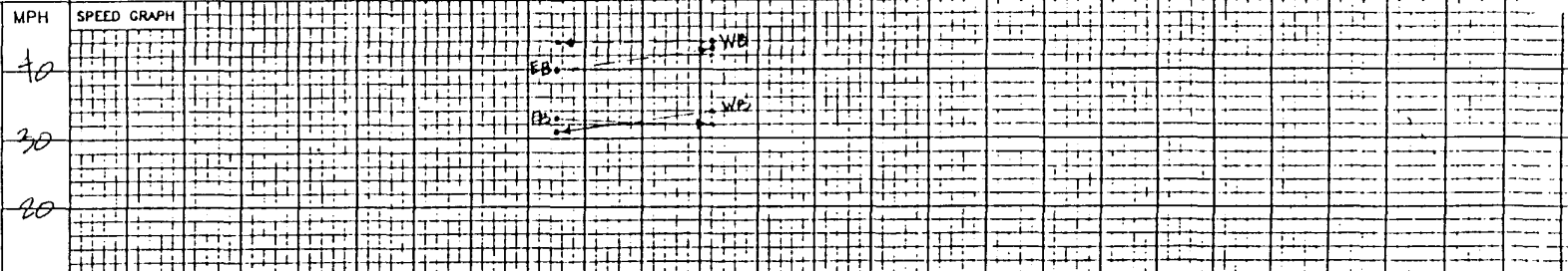
ROADWAY WIDTH	64'
NO. OF LANES	2
MEDIAN (TYPE)	RAISED CONCRETE
TRAFFIC SIGNAL DATA	RAISED CONCRETE
AVERAGE DAILY TRAFFIC	1474 (11:22) 1789
OBS. SPEED—CRITICAL, 85th% W/P	44 44
—PACE(%)	40 43
—MEDIAN, 50th% W/P	31-41 (56) 34-44 (56)
	33-43 (80) 32-42 (67)
	27 37
	27 37

EXISTING SPEED ZONE

PROPOSED SPEED ZONE

LEGEND:

- W - SIGN LOCATION
- R1 - STOP SIGN
- R2() - SPEED LIMIT SIGN (MPH)
- R1-2 - YIELD SIGN
- C - INSTALLATION C [SCHOOL 25 MPH SIGN, (W45, R2(25), R72)]
- ⊙ - TRAFFIC SIGNAL
- CITY LIMIT
- CRITICAL SPEED
- LOWER LIMIT OF PACE



ACCIDENT PLOT

YR: 1992

YR: 1993

ACCIDENT RATE—ACC./MILL. VEH.—MI.

DATE 3/94

No. Date

Revision

Appr

Approved By

Public Works Director
RCE NO. 17508

Date



CITY OF LODI
PUBLIC WORKS DEPARTMENT

CENTURY BOULEVARD
CHEROKEE TO STOCKTON

SPEED
ZONE
SURVEY

M/T TRAFFIC/SPOZONE
DATE: 3/93

Drawn A

SPEED ZONE REPORT - Century Boulevard between Cherokee Lane and Stockton Street

- **REFERENCE** - Speed Zone Surveys are performed in the City of Lodi following State of California Department of Transportation (Caltrans) guidelines in accordance with Section 40802(b) of the California Vehicle Code. These guidelines are outlined in Chapter 8 of the Caltrans Traffic Manual.
- **STUDY** - Important factors to consider in determining the speed limit most appropriate to facilitate the orderly movement of traffic and which is reasonably safe are prevailing speeds, unexpected conditions to drivers, and accident records.

Prevailing Speeds (85th Percentile Speeds) - Reasonable speed limits conform to the actual behavior of the majority of motorists and by measuring motorists' speeds one will be able to select a speed limit which is both reasonable and effective. Speed limits should normally be established at the first five mile per hour increment below the 85th percentile speed. However, in matching existing conditions with the traffic safety needs of the community, engineering judgment may indicate the need for a further reduction of five miles per hour.

Four radar surveys were performed and the 85th percentile speeds ranged from 40 to 44. The results of these radar surveys are shown below.

<u>Century Boulevard Segment</u>	<u>Eastbound</u>	<u>Westbound</u>
Cherokee Lane to Stockton Street	40 - 43 mph	44 mph

Unexpected Conditions - When roadside development results in traffic conflicts and unusual conditions that are not readily apparent to drivers, speed limits below the 85th percentile are warranted. The following factors were considered: roadway design speed, safe stopping sight distance, superelevation, shoulder conditions, profile condition, intersection spacing and offset, commercial driveway characteristics, and pedestrian traffic in the roadway without sidewalks.

There are no unexpected conditions used to further reduce the speed limit.

Accidents - Accident records for the most recent two years were considered in determining the speed limits. Accidents on segments of roadways are classified by their accident rate. Accident rates are determined by the number of accidents occurring within a segment of roadway and the traffic volume within that segment. Accident rates are shown in accidents per million vehicle miles (ACC/MVM). The accident rate on this segment of Century Boulevard is 0.0. The latest city-wide accident rate is 4.1 ACC/MVM. The accident rate for this segment is shown below.

<u>Century Boulevard Segment</u>	<u>Accident Rate</u>
Cherokee Lane to Stockton Street	0.0

- **RECOMMENDATION** - Because Century Boulevard west of Cherokee Lane was only recently extended to Stockton Street, this is the first Speed Zone Survey performed on this street segment. Per Section 22352(b) of the California Vehicle Code the existing prima facie speed limit on this segment of Cherokee Lane is 55 mph because of the small amount of units fronting and having access to Century Boulevard. The recommended posted speed limit is based on the 85th percentile speeds observed in the field. It is not recommended to further reduce the speed limit due to unexpected conditions or accident records.

The following posted speed limit is appropriate:

<u>Century Boulevard Segment</u>	<u>Posted Speed Limit</u>
Cherokee Lane to Stockton Street	40 mph